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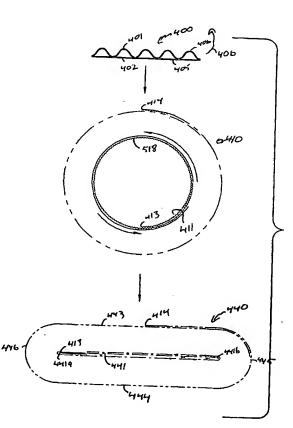
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(54) Title: IMPROVED PROCESS AND MATERIALS FOR COILING Z-FILTER MEDIA, AND/OR CLOSING FLUTES OF FILTER MEDIA; AND, PRODUCTS



(57) Abstract: Approaches to providing z-filter media constructions are provided. Preferred corrugated media, filter constructions having such corrugated media, and filter systems using such filter constructions are provided. Also, preferred methods of forming filter constructions are provided. In general, then, methods of preparing a z-filter media construction including coiled z-filter media are provided including steps according to the process of Figs.11 and 21. The typical process comprises using z-filter media comprising a fluted, and preferably corrugated, sheet secured to a non-fluted non-corrugated facing sheet. The method generally includes steps of: (a) guiding a front end extension of a strip of z-filter media into a media catch slot of a winding hub; (b) in follow up, coiling the strip of media around the outside of the winding hub, with the facing sheet directed outwardly, to form a resulting media coil; and (c) removing the resulting media coil from the winding hub. Preferably the winding is conducted using a strip that has both a front side sealant strip and a backside sealant strip, most preferably at least the backside sealant strip is foamed polyurethane.

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